Contents of Volume 28

Adsorption equilibria of pure vapors and their binary mixtures on activated carbon.
Part I. Single-component equilibria 1

Part II. Multicomponent equilibria 13
U. Eiden and E. U. Schlünder (Karlsruhe, F.R.G.)

Computer-aided control of a laboratory trickle bed reactor 23
J. Hanicka (Prague, Czechoslovakia), R. Lange and F. Turek (Merseburg, G.D.R.)

Mathematical modelling of the desublimation of phthalic anhydride 29
R. Krupiczka and J. Pyschny (Gliwice, Poland)

Experimental studies of liquid–solid wetting efficiency in trickle-bed cocurrent reactors 35
A. Burghardt, A. S. Kołodziej and M. Jaroszyński (Gliwice, Poland)

BOOK REVIEWS 51

FORTHCOMING MEETING 54

Simulation for the devolopment of solid–gas chemical heat pump pilot plants.
Part I. Simulation and dimensioning 55
M. Lebrun and B. Spinner (Perpignan, France)

Part II. Simulation and optimization of discontinuous and pseudo-continuous operating cycles 67
M. Lebrun (Perpignan, France)

Pool boiling heat transfer to electrolyte solutions 79
M. Jamialahmadi and H. Müller-Steinhagen (Auckland, New Zealand)

Motion of spheres in power law (viscoinelastic) fluids at intermediate Reynolds numbers: a unified approach 89
R. P. Chhabra (Kanpur, India)

New approach to energetic optimization of pneumatic transport 95
A. Lodes and O. Mierka (Bratislava, Czechoslovakia)

Bubble breakage phenomena, phase holdups and mass transfer in three-phase fluidized beds with floating bubble breakers 101
J. O. Kim and S. D. Kim (Seoul, South Korea)

Heat transfer and wake characteristics in three-phase fluidized beds with floating bubble breakers 113
J. O. Kim, D. H. Park and S. D. Kim (Seoul, South Korea)

Slow parallel motion of cylinders in non-Newtonian media: wall effects and drag coefficient 121
A. Unnikrishnan and R. P. Chhabra (Kanpur, India)

Mathematical dynamic model of the continuous bubble column slurry reactor 127
M. Králik, J. Ilavský (Bratislava, Czechoslovakia), J. Pašek (Prague, Czechoslovakia) and P. Lehocký (Šal'a, Czechoslovakia)

Influence of additives on crust formation during drying 133
P. Schultz and E. U. Schlünder (Karlsruhe, F.R.G.)

Investigations on heat transfer in a plate evaporator 143
H. R. Engelhorn (Giessen, F.R.G.) and A. M. Reinhart (Lindau, F.R.G.)

BOOK REVIEWS 147

FORTHCOMING MEETING 149

Selective evaporation of a ternary mixture containing one nonvolatile component with regard to drying processes 151
Th. Riede and E. U. Schlünder (Karlsruhe, F.R.G.)

Impinging jet absorbers 165
A. Tamir (Beer Sheva, Israel), D. Herskowits and V. Herskowits (Petach-Tikva, Israel)

Turbulent heat transfer and pressure drop in plain tube bundles 173
D. Traub (Stuttgart, F.R.G.)

 © Elsevier Sequoia/Printed in The Netherlands

Pseudocritical heat transfer inside vertical tubes..... 183
R. Bellinghausen and U. Renz (Aachen, F.R.G.)
AUTHOR INDEX..... 187
SUBJECT INDEX..... 189
CONTENTS..... 191